

ABSTRACT

It is an object of the invention to time independent common times for a plurality of processing system groups, respectively. It is another object of the invention to take a synchronization in the vicinity of the start of reproduction also when a difference is made over a time taken to prepare for the processing of each processing system. Counting unit (12) manages the common times of a plurality of processing system groups (16) and (17) to time a common time for each of the processing system groups, and time supply unit (13) supplies the common time obtained by the counting of the counting unit (12) to each of processing systems (161), (162), (171) and (172). Moreover, counting control unit (14) controls to start and stop the counting based on notices given from the processing systems (161), (162), (171) and (172) of the processing system groups (16) and (17). The processing system groups (16) and (17) carry out synchronous data transmission processings with each other based on the common time supplied from the counting supply unit (13) in relation to data received from data supply unit (151) and (152). Then, the data transmitted synchronously are reproduced in data reproducing unit (181) and (182).